

### **Unity-Tireman Water Sampling Lead Analysis Report**

#### 1. INTRODUCTION

#### 1.1. GENERAL

This report presents the results of our water sampling performed at the site of Unity Daycare, 7500 Tireman, Detroit, MI., on May 13th, 2016. The sample results taken in conjunction with this investigation are also presented on Appendix 1.

#### 1.2. OBJECTIVES AND SCOPE

In general, the objectives of this investigation were to:

Accurately evaluate water outlets for lead above the EPA Maximum Contaminate Level (MCL).

#### 1.3. AUTHORIZATION

Authorization was provided by phone for our Professional Services by Brenda Bradford on April 25th, 2016.

#### 2. SITE INVESTIGATIONS

#### 2.1. FIELD PROGRAM

In order to sample and evaluate water, GSES took six samples, a First Draw sample and a Flush sample, from three different locations on the site.

The field portion of our investigation was under control and continual supervision of an experienced member of our field scientist staff.

#### 2.2 LABORATORY TESTING

#### **2.2.1.** General

In accordance with ASTM D3559 and the U.S. Environmental Protection Agency guidelines for lead in drinking water at schools and child care facilities, we took two samples: first draw and flush, which is the required testing standard for drinking water lead contamination.

Results of the tests indicate that the water is below the threshold for lead



contamination. A copy of the lab report and Chain of Custody is attached (Appendix 1).

#### 3. DISCUSSIONS AND RECOMMENDATIONS

#### 3.1. DISCUSSIONS OF FINDINGS

The water results are above the threshold for lead contamination.

We appreciate the opportunity of providing this service for you. If you have any questions concerning this report or require additional information, please do not hesitate to contact the undersigned.

Respectfully submitted,

Michael Etters Field Scientist Monica Starks, CIEC

Principal

Council-certified Indoor Environmental Consultant Board-awarded by the American Council for Accredited Certification



Appendix 1, Lab Results, Chain of Custody

#### National Testing Laboratories, Ltd

556 South Mansfield, Ypsilanti, MI, 48197-5166 (440) 449-2525, Fax: (440) 449-8585

#### **ANALYTICAL REPORTS**

SAMPLE CODE: 355034

5/25/2016

Customer: G. S. Group

Monica Starks

17800 Woodward Ave

#200

Detroit, MI 48203

Source:

18706 Joy Rd. Second Grace, DC-01-KC-01-P

Source City: Detroit

Source State: MI

Date/Time Received:

5/16/2016 14:00

Collected by:

M. Etters

The results herein conform to TNI and ISO/IEC 17025:2005 standards, where applicable, unless otherwise narrated in the body of the report. The uncertainty of the test results are available upon request. All Dates and Times are reported as U.S. Eastern Time.

#### Legend:

Any 'Level Detected' marked with an asterisk (\*) indicates that the value has exceeded the EPA Maximum Contaminant Level (MCL) or one of the Standards of Quality.

"ND"

This contaminant was not detected at or above our lower reporting limit (LRL)

"NA"

Not Analyzed

"Standard"

This column indicates either the Maximum Contaminant Level (MCL) for EPA Primary Standards or the guideline values for EPA

Secondary Standards

"LRL"

This column indicates the Lower Reporting Limit, which is the lowest level that the laboratory can detect a contaminant.

"DF"

This column indicates the contaminant dilution factor.

Report Notes:

Fed Id # Contaminant	Method Standard	Units LRL	Level Detected	DF Date/Time Sampled	Date Prepped	Date/Time Analyzed
		Inorganic Anal	ytes - Metals			
1030 Lead	200.8 0.015	mg/L 0.001	ND	1 5/12/2016 07:1	15	5/20/2016

These test results may be used for compliance purpose as required.

Analyst Tests
EC 200.8

James Abston, Operations Manager

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1 of 1

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#### **ANALYTICAL REPORTS**

SAMPLE CODE: 355035 5/25/2016

Customer:

G. S. Group Monica Starks

17800 Woodward Ave

#200

Detroit, MI 48203

Source:

Second Grace, DC-01-KC-01-F

Source City: Detroit

Source State: MI

Date/Time Received:

5/16/2016 14:00

Collected by:

M. Etters

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"NA"

Not Analyzed

"Standard"

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"LRL" This col

This column indicates the Lower Reporting Limit, which is the lowest level that the laboratory can detect a contaminant. This column indicates the contaminant dilution factor.

"DF" Report Notes:

Fed Id # Contaminant	Method Standard	Units	LRL	Level Detected	DF	Date/Time Sampled	Date Prepped	Date/Time Analyzed
1030 Lead	200.8 0.015	Inorgai mg/L	nic Analy 0.001	/tes - Metals ND		5/12/2016 07:1		5/20/2016

These test results may be used for compliance purpose as required.

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#### **ANALYTICAL REPORTS**

SAMPLE CODE: 355036 5/25/2016

Customer:

G. S. Group Monica Starks

17800 Woodward Ave

#200

Detroit, MI 48203

Source:

Second Grace, DC-01-WC-02-P

Source City: Detroit

Source State: MI

Date/Time Received:

5/16/2016 14:00

Collected by:

M. Etters

The results herein conform to TNI and ISO/IEC 17025:2005 standards, where applicable, unless otherwise narrated in the body of the report. The uncertainty of the test results are available upon request. All Dates and Times are reported as U.S. Eastern Time.

#### Legend

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"ND"

This contaminant was not detected at or above our lower reporting limit (LRL)

"NA"

Not Analyzed

"Standard"

This column indicates either the Maximum Contaminant Level (MCL) for EPA Primary Standards or the guideline values for EPA

Secondary Standards.

"LRL"

This column indicates the Lower Reporting Limit, which is the lowest level that the laboratory can detect a contaminant.

"DF"

This column indicates the contaminant dilution factor.

#### Report Notes:

Fed Id # Contaminant	Method Standard	l Units LRL	Level Detected	DF	Date/Time Sampled	Date	Date/Time
			<b>J</b> - 100000		Gampieu	Prepped	Analyzed
		Inorganic Anal	ytes - Metals				
1030 Lead	200.8 0.015	mg/L 0.001	0.002	1	5/12/2016 07	15	5/20/2016

These test results may be used for compliance purpose as required.

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#### **ANALYTICAL REPORTS**

SAMPLE CODE: 355037 5/25/2016

Customer:

G. S. Group Monica Starks

17800 Woodward Ave

#200

Detroit, MI 48203

Source:

Second Grace, DC-01-WC-02-F

Source City: Detroit

Source State: Mi

Date/Time Received:

5/16/2016 14:00

Collected by:

M. Etters

The results herein conform to TNI and ISO/IEC 17025:2005 standards, where applicable, unless otherwise narrated in the body of the report. The uncertainty of the test results are available upon request. All Dates and Times are reported as U.S. Eastern Time.

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"ND"

This contaminant was not detected at or above our lower reporting limit (LRL)

"NA"

Not Analyzed

"Standard"

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Secondary Standards.

"LRL"

This column indicates the Lower Reporting Limit, which is the lowest level that the laboratory can detect a contaminant

"DF"

This column indicates the contaminant dilution factor.

Report Notes:

Fed Id # Contaminant	Method Standard	Units	LRL	Level Detected	DF	Date/Time Sampled	Date Prepped	Date/Time Analyzed
1030 Lead	200.8 0.015	Inorgai mg/L	nic Anal 0.001	ytes - Metals 0.003	1	5/12/2016 07:	15	5/20/2016

These test results may be used for compliance purpose as required.

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#### ANALYTICAL REPORTS

SAMPLE CODE: 355038 5/25/2016

Customer: G. S. Group

Monica Starks

17800 Woodward Ave

#200

Detroit, MI 48203

Source:

Second Grace, DC-02-BBF-03-P

Source City: Detroit

Source State: MI

Date/Time Received:

5/16/2016 14:00

Collected by:

M. Etters

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Not Analyzed

"Standard"

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"LRL"

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"DF"

This column indicates the contaminant dilution factor.

Report Notes:

Fed Id # Contaminant	Method Standard	Units LRL	Level Detected	DF Date/Time Sampled	Date Prepped	Date/Time Analyzed
1030 Lead	200.8 0.015	Inorganic Analy mg/L 0.001	tes - Metals 0.008	<sup>1</sup> 5/12/2016 07:1	5	5/20/2016

These test results may be used for compliance purpose as required.

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1

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#### **ANALYTICAL REPORTS**

SAMPLE CODE: 355039 5/25/2016

Customer:

G. S. Group Monica Starks

17800 Woodward Ave

#200

Detroit, MI 48203

Source:

Second Grace, DC-02-BBF-03-F

Source City: Detroit

Source State: MI

Date/Time Received:

5/16/2016 14:00

Collected by:

M. Etters

The results herein conform to TNI and ISO/IEC 17025:2005 standards, where applicable, unless otherwise narrated in the body of the report. The uncertainty of the test results are available upon request. All Dates and Times are reported as U.S. Eastern Time.

#### Legend:

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"ND"

This contaminant was not detected at or above our lower reporting limit (LRL)

"NA"

Not Analyzed

"Standard"

This column indicates either the Maximum Contaminant Level (MCL) for EPA Primary Standards or the guideline values for EPA

Secondary Standards.

"LRL"

This column indicates the Lower Reporting Limit, which is the lowest level that the laboratory can detect a contaminant.

"DF"

This column indicates the contaminant dilution factor.

Report Notes:

Fed Id # Contaminant	Method Standard	Units LRL	Level Detected	DF Date/Time Sampled	Date Prepped	Date/Time Analyzed
		Inorganic Analy	vtes - Metals		••	
1030 Lead	200.8 0.015	mg/L 0.001	ND	1 5/12/2016 07:1	15	5/20/2016

These test results may be used for compliance purpose as required.

Analyst Tests EC 200.8

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Page

1

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## M National Testing Laboratories, Ltd.

Quality Water Analysis

1-800-458-3330

Sold To: G. S. Group Monica Starks

Detroit

Client Name:

Phone Number:

17800 Woodward Ave

Date Sampled : 5/12/16

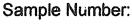
Check Time Zone: EST CST MST PST

## **General Compliance**

Order Number:

2077210

05/09/2016



Sample Paid: No

Order Date:

Product:

Lead Only **Payment Method:** 

TSR: EF

MI 48203

Please Use Military Time, e.g. 3 00pm = 15:00

	Laboratory Use ONLY
Lab Accounting inf	ormation:
Payment \$:	
Check #:	
Lab Comments/Spe	ocial instructions:
State Forms:	
Lab Sample Inform	
-	MAY 1 6 2016
Time Received:	14.00
	Was a sa
Received By:_	
Received By:	criteria chicked & acceptable. acceptable sample receipt criteria noted

Fax Number: PWS ID# (if applicable): Sample ID or Source: ' Source Type: Spring Well Municipal Surface Other: City & State: (If Different than Above) Sample Collected By Signature) Sample Collected By Form Completed By: INCOMPLETE INFORMATION MAY DELAY ANALYSIS AND/OR INVALIDATE RESULTS

# **M** National Testing Laboratories, Ltd.

Quality Water Analysis

1-800-458-3330

# General Compliance

Order Number:

2077210

355035

Order Date: Sample Number:

05/09/2016

Product:

Lead Only

Sample Pald: No



Sold To:	ISK: Er	
G. S. Group		For Laboratory Use ONLY
Monica Starks		Lab Accounting Information:
17800 Woodward Ave		
Detroit	MI 48203	Payment \$:
Date Sampled : 5 / 12 / 16		Lab Comments/Special Instructions:
	Please Use Military Time, e.g. 3.00pm = 15.00	
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Client Name: Second	Ca Charles and a	
Phone Number: 313-81	07-0560	
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City & State: Detroit	iferent than Above)	Received By: A MAIN +
	A A Above)	Sample receipt criteria chacked & acceptable.
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Flush Sanoly		

# **Mational Testing**Laboratories, Ltd.

Quality Water Analysis

1-800-458-3330

# **General Compliance**

Order Number:

Sample Number:

Order Date:

2077210

05/09/2016

2016 355986

Product:

Lead Only

Sample Paid: No

Sold To:	TSR: EF	
G. S. Group		For Laboratory Use ONLY
Monica Starks 17800 Woodward Ave		Lab Accounting Information:
Detroit Ave	MI 48203	Payment \$:
		Check #:
Date Sampled : 5 / 12	16	Lab Comments/Special Instructions:
Time Sampled: 7: 15	Please Use Military Time, e.g. 3:00pm = 15.00	
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Client Name: Secon	d Graclesian commence	
Phone Number: 313	667-0500	
Fax Number:	AND CONTROL TO THE PROPERTY AND THE CONTROL CO	
PWS ID# (if applicable):	NA	State Forms:
Sample ID or Source: DC	-01-WC-02-7	Lab Sample Informậtion:
Source Type: Spring C	Well   Municipal   Surface	Date Received: MAY 1 6 2016
	A ile	Time Received: 14:00
City & State: Detn	(If Different than Above)	Received By:
Sample Collected By:	W IDA (Signature)	Sample receipt criteria checked & acceptable.  Deviations from acceptable sample receipt criteria noted on PSA form.
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## M National Testing Laboratories, Ltd.

Quality Water Analysis

1-800-458-3330

## **General Compliance**

Order Number:

Sample Number:

2077210

Order Date:

05/09/2016

Product:

**Lead Only** 

Sample Paid: No

Sold To:	TSR: EF	
G. S. Group		For Laboratory Use ONLY
Monica Starks 17800 Woodward Ave		Lab Accounting Information:
Detroit Ave	MI 48203	Payment \$:
		Check #:
Date Sampled : 5   12   1	o contract of the contract of	Lab Comments/Special Instructions:
	Please Use Military Time, e.g. 3:00pm = 15.00	
Check Time Zone: DEST CS	T MST PST	·
Client Name: Selond	CAL Landing Commence of the Co	
Phone Number: 313- 9	567-0500	
Fax Number:		
PWS ID# (if applicable):	N/A	State Forms:
Sample ID or Source: DC-	01-WC-0Z-F	
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		Time Received: 1/14:00
City & State: Detroit	Officerent than Above)	Received By: Work
Sample Collected By:	nto	Sample receipt criteria checked & acceptable.  Deviations from acceptable sample receipt criteria noted on PSA form.
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Form Completed By:	lichal Etters	
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Flush Souple	·	V

# **National Testing**Laboratories, Ltd.

Quality Water Analysis

1-800-458-3330

## **General Compliance**

Order Number: Order Date:

2077210 05/09/2016

Sample Number:

Product:

Lead Only

Sample Paid: No

Payment Method:

TSR: EF

Sold To:	· • · · · ·	
G. S. Group		For Laboratory Use ONLY
Monica Starks		Lab Accounting Information:
17800 Woodward Ave Detroit	MI 48203	Payment \$:
Detroit	WII 40203	Check #:
Date Sampled : 5/12/16		Lab Comments/Special Instructions:
Time Sampled: 7:15 Plea	ise Use Military Time, e.g. 3 00pm = 15 00	
Check Time Zone: DEST CST	]MST PST	
Client Name: Second	Grice	
Phone Number: 313-86	7-0500	
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PWS ID# (if applicable):	N/K	State Forms:
Sample ID or Source: $\mathcal{DC}$ $\mathcal{C}$	7-BBF-03-P	Lab Sample Information;
Source Type: Spring Wel	Municipal Surface	Date Received: WAY 1 6,2016
Other.		Time Received: 14:00
City & State: Detyca	t M. rent than Above)	Received By: War
Sample Collected By:	(Signature)	Sample receipt criteria checked & acceptable.  Deviations from acceptable sample receipt criteria noted on PSA form.
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1	at this day card,	this is location # 3, First
araw.	<u> </u>	

# **National Testing**Laboratories, Ltd.

Quality Water Analysis

1-800-458-3330

## **General Compliance**

Order Number: Order Date:

2077210

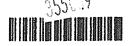
Sample Number:

05/09/2016

Product:

Lead Only

Sample Paid: No



Sold To:	TSR: EF	
G. S. Group		For Laboratory Use ONLY
Monica Starks		Lab Accounting Information:
17800 Woodward Ave Detroit	MI 48203	Payment \$:
		Check #:
Date Sampled: 5/12/16  Time Sampled: 7:15  Check Time Zone: VEST CS	Please Use Military Time, e g. 3.00pm = 15 00	Lab Comments/Special Instructions:
Client Name: Secon 1	<u> </u>	
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Phone Number: 313-86	and recommended the statement of the second contract of the second c	
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PWS ID# (if applicable):	N/A	State Forms:
Sample ID or Source:	_	Lab Sample Information:
Source Type: Spring V	Vell Municipal Surface	Date Received: MAY, 1 6 2016
City & State: Detroit	Different than Above)	Time Received 14.00  Received By: With
Sample Collected B	(Signature)	Deviations from acceptable sample receipt criteria noted on PSA form.
Sample Collected By:	(Please Print)	
Form Completed By:	chal Etters	
Additional Company		
Additional Comments:	old at this days	re this is location # 3
Flush Sample	l V	, -